

**Amendments to the Claims:**

This listing of the claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A frequency converter, ~~in particular for construction site devices~~ operated with an electrical current having a higher frequency than line frequency, the frequency converter comprising:
  - a converter device for converting the electrical current frequency; and ~~comprising~~
  - a housing that surrounds the converter device,  
the housing comprising
  - a converter receptacle that surrounds a board chamber for the converter device,
  - a housing segment that is connected to the converter receptacle, that is isolated from the converter receptacle and that acts as a cooling area, inside which there are situated cooling air ducts and a fan that is suitable for conveying cooling air through the cooling air ducts, and
  - in the cooling area, 1) an external, first annular profile, and 2) additional annular profiles ~~that are oriented to one another in relation to the axis of the first annular profile in such a way that the annular profiles surround each other with a distance from one another, transverse to a main axial direction~~ of the housing, so as to form at least two annular chambers that act as cooling air ducts;wherein the annular profiles are situated inside the first annular profile end with an axial spacing from the separating wall of the converter receptacle so as to form an air deflection area that acts as a cooling air duct.

2. (Previously Presented) The frequency converter according to Claim 1, wherein the cooling area has a transformer chamber, adjacent to the cooling air ducts, for accommodating an isolating transformer for producing an output voltage that differs from a line voltage.

3. (Previously Presented) The frequency converter according to Claim 1, wherein the converter receptacle and the cooling area are coupled with one another thermally by a separating wall.

4. (Currently Amended) The frequency converter according to Claim 1, wherein the fan is situated inside the first annular profile, coaxial thereto, in such a way that it is suited to ~~suction~~ draw a cooling air stream into the fan via one of the annular chambers, ~~and to guide this the~~ cooling air stream past at least a part of the separating wall in the air deflection area, and to expel the cooling air stream via a different annular chamber according to ~~the a~~ counterflow principle.

5. (Previously Presented) The frequency converter according to Claim 4, wherein the fan is situated in the air deflection area.

6. (Currently Amended) The frequency converter according to Claim 4, wherein 4 adjacent to the first annular profile 4 there is situated a second annular profile that surrounds an annular transformer chamber that is limited inwardly by a third annular profile.

7. (Currently Amended) The frequency converter according to Claim 6, wherein, in order to form a heat sink, the third annular profile is made up of an outer ring and an inner ring, cooling fins being situated in ~~the an~~ area between the outer and inner ~~ringings~~ that form a wall of one of the annular chambers acting as cooling air ducts.

8. (Currently Amended) The frequency converter according to Claim 7, wherein a part of the cooling fins connects the outer ring and the inner ring to one another, and wherein between these ~~the~~ cooling fins, fins are situated on the outer ring that ~~freely~~ protrude radially inward.

9. (Currently Amended) The frequency converter according to Claim 4, wherein the outer, first annular profile engages with the adjacent annular profile according to the a tongue- and groove principle.

10. (Currently Amended) The frequency converter according to Claim 6, wherein the transformer chamber can be closed in the axial direction by annular covers that extend between the an outer limitation, by the second annular profile, and the an inner limitation, by the third annular profile, of the transformer chamber.

11. (Previously Presented) The frequency converter according to Claim 6, wherein the transformer chamber contains a toroidal core transformer assembly.

12. (Previously Presented) The frequency converter according to Claim 1, wherein the annular profiles are extruded profiles.

13. (Previously Presented) The frequency converter according to Claim 12, wherein the extruded profiles are aluminum extruded profiles that have been cut to fit.

14. (Currently Amended) The frequency converter according to Claim 1, wherein the outer, first annular profile is connected in a centering fashion with the converter receptacle.

15. (Previously Presented) The frequency converter according to Claim 1, wherein the converter receptacle is made up essentially of an aluminum cast part.

16. (Currently Amended) The frequency converter according to Claim [4]6, wherein the third annular profile is centered in relation to the second annular profile, which is adjacent to the first annular profile, by the a cover that closes the transformer chamber.

17. (Currently Amended) The frequency converter according to Claim [4]6, wherein the fan is situated such that it ~~suctions~~ draws cooling air into the fan via the annular chamber adjacent to the first, outer annular profile, and conducts ~~this~~ the cooling of air to the outside via the annular chamber enclosed by the transformer chamber.

18. (Currently Amended) The frequency converter according to Claim 1, wherein the cooling area is closed in the axial direction ~~on the one hand by~~ the separating wall of the converter receptacle and ~~on the other hand by~~ a cover that is provided with air passage openings.

19. (Currently Amended) The frequency converter according to Claim 1, wherein the board chamber is closed ~~on the one hand by~~ the separating wall of the converter receptacle and ~~on the other hand by~~ a front plate.

20. (Currently Amended) The frequency converter according to Claim 1, wherein an exchangeable converter board housed in the board chamber is encapsulated with a power module and is exchangeable.